

***LineUp With Math™* Alignment**  
**Middle School Mathematics Core Content for Assessment**  
**version 4.0 October 2005**

**Number Properties and Operations**

***Estimation***

**Content Statement**

**MA-07-1.2.1**

**Students will estimate to solve real-world and/or mathematical problems with fractions, decimals, and percents, checking for reasonable and appropriate computational results.**  
**DOK - 2**

***LineUp With Math™* Activities**

--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.

***Ratios and Proportional Reasoning***

**Content Statement**

**MA-07-1.4.1**

**Students will apply ratios and proportional reasoning to solve real-world problems (e.g., percents, sales tax, discounts, rate).**  
**DOK - 3**

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

**Algebraic Thinking**

***Patterns, Relations, and Functions***

**Content Statement**

**MA-07-5.1.3**

**Students will explain how the change in one quantity affects the change in another quantity (e.g., in tables or graphs).**  
**DOK - 2**

***LineUp With Math™* Activities**

--Use an interactive simulator to identify distance, rate, time conflicts in air traffic control problems and resolve the conflicts by varying plane speeds or changing plane routes.